

## IN THE SPECIFICATION

Please replace the paragraph at page 3, lines 7-20, with the following rewritten paragraph:

Recently, a large volume packet data transmission method has become popular in which a transmission rate of the downlink 3 is higher than that of the uplink 4, which is typified by the utilization of the Internet. To further increase the rate of the downlink data to be transmitted from the base station 1 to the mobile station 2 in this method, HSDPA (High Speed Downlink Packet Access), in which exclusive downlink for high-speed packet transmission is to be added, has been proposed and studied (see “High Speed Downlink Packet Access: Physical Layer Aspects (Release 5)” of 3GPP specification ~~TR25.858 v1.1.2 (2002-02))~~ TR25.858 v5.0.0 (2002-03)). Fig. 2 is a diagram showing a configuration of the HSDPA. In Fig. 2, the reference numeral 5 designates an exclusive downlink for the high-speed packet transmission, and 6 designates an uplink. The remaining components are the same as those of Fig. 1.

Please replace the paragraph at page 4, line 24, to page 5, line 3, with the following rewritten paragraph:

The transmission cycle and timing offset of the QI is specified by the base station 1 as parameters in advance, and their values (report cycle  $k$ , and offset) are defined in TR25.858. The values and ranges of these values, however, are provisional values for discussion, and have not yet been determined. The provisional values of the  $k$  are 0, 1, 5, 10, 20, 40, ~~80, and 160~~ and 80, and the ranges of the offset for each  $k$  can take values of  $0 \leq \text{offset} \leq k-1$ . Since the  $k$  and offset are parameters, they can be altered halfway through the communication in accordance with a variable rate of the downlink environment.

Please replace the paragraph at page 5, lines 21-23, with the following rewritten paragraph:

Although the report cycle  $k$  is assumed to be one of 0, 1, 5, 10, 20, 40, ~~80 and 160~~ and 80 at the present, their evidence is not cited. It is assumed that  $k = 0$  indicates no transmission.

Please replace the paragraph at page 5, line 24, to page 6, line 8, with the following rewritten paragraph:

Fig. 5 is a conceived internal block diagram of a base station enabling the HSDPA, and Fig. 6 is a conceived internal block diagram of a mobile station enabling the HSDPA. In Fig. 5, reference numerals 200a, 200b and 200c each designate a spreader, and 201a, 201b and 201c each designate a scrambler. The reference numeral 202 designates an adder, 203 designates a (transmitting) frequency converter, 204 designates a transmitting/receiving antenna, and 205 designates an ARQ controller for carrying out AMC operation and retransmission timing control. The reference numeral 206 designates a (receiving) frequency converter, and 207 designates a descrambler. Reference numerals 208a and 208b each designate a despreader, the reference numeral 209 designates a (time) divider, 210 designates a table for selecting an MCS from the QI, and 211 designates an MCS controller. The MCS will be described later.

Please replace the paragraph at page 28, lines 17-22, with the following rewritten paragraph:

As described above, the communication system in accordance with the present invention is suitable for the communication system in which a plurality of mobile stations are

- present for a base station, and for the communication system and the like in which mobile stations are present ~~within close range~~ at a distance of a base station.